SONY

4-485-790-**13**(2)

PERSONAL AUDIO SYSTEM

Operating Instructions

Getting Started

USB Playback

Bluetooth

Tuner

Sound Adjustment

Other Operations

Additional Information

GTK-X1BT

WARNING

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

To reduce the risk of fire, do not cover the ventilation opening of the appliance with newspapers, tablecloths, curtains, etc.

Do not expose the appliance to naked flame sources (for example, lighted candles).

To reduce the risk of fire or electric shock, do not expose this appliance to dripping or splashing, and do not place objects filled with liquids, such as vases, on the appliance.

As the main plug is used to disconnect the unit from the mains, connect the unit to an easily accessible AC outlet. Should you notice an abnormality in the unit, disconnect the main plug from the AC outlet immediately.

Do not install the appliance in a confined space, such as a bookcase or built-in cabinet.

Do not expose batteries or appliances with battery-installed to excessive heat, such as sunshine and fire.

The unit is not disconnected from the mains as long as it is connected to the AC outlet, even if the unit itself has been turned off.

This equipment has been tested and found to comply with the limits set out in the EMC Directive using a connection cable shorter than 3 meters.

FOR UNITED STATES CUSTOMERS. NOT APPLICABLE IN CANADA, INCLUDING IN THE PROVINCE OF QUEBEC.

POUR LES CONSOMMATEURS AUX ÉTATS-UNITS. NON APPLICABLE AU CANADA, Y COMPRIS LA PROVIBCE DE QUÉBEC.

For the customers in the USA

Owner's Record

The model and serial numbers are located on the rear of the unit. Record these numbers in the space provided below. Refer to them whenever you call upon your Sony dealer regarding this product.

Model No. _____

Serial No. _____

This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Important Safety Instructions

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

– Reorient or relocate the receiving antenna.
– Increase the separation between the equipment and receiver.
– Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
– Consult the dealer or an experienced radio/TV technician for help.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Properly shielded and grounded cables and connectors must be used for connection to host computers and/or peripherals in order to meet FCC emission limits.

This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment has very low levels of RF energy that it deemed to comply without maximum permissive exposure evaluation (MPE). But it is desirable that it should be installed and operated keeping the radiator at least 20 cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

For customers in Europe

Disposal of waste batteries and electrical and electronic equipment (applicable in the European Union and other European countries with separate collection systems)

This symbol on the product, the battery or on the packaging indicates that the product and the battery shall not be treated as household waste. On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead. By ensuring these products and batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling. The recycling of the materials will help to conserve natural resources.
In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery and the electrical and electronic equipment will be treated properly, hand over these products at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.
For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product or battery.

Notice for customers: The following information is only applicable to equipment sold in countries applying EU Directives.

This product has been manufactured by or on behalf of Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. Inquiries related to product compliance based on European Union legislation shall be addressed to the authorized representative, Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters, please refer to the addresses provided in the separate service or guarantee documents.

Hereby, Sony Corp., declares that this equipment is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

For details, please access the following URL:
http://www.compliance.sony.de/

CE

For customers in Australia and India

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)

License and Trademark Notice

- iPhone and iPod touch are trademarks of Apple Inc., registered in the U.S. and other countries. App Store is a service mark of Apple Inc.
- "Made for iPod" and "Made for iPhone" mean that an electronic accessory has been designed to connect specifically to iPod or iPhone, respectively, and has been certified by the developer to meet Apple performance standards.
  Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod or iPhone may affect wireless performance.
- The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Sony Corporation is under license. Other trademarks and trade names are those of their respective owners.
- The N Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.
- © 2013 CSR plc and its group companies. The aptX® mark and the aptX logo are trade marks of CSR plc or one of its group companies and may be registered in one or more jurisdictions.
- Android™ is a trademark of Google Inc.
- Google Play™ is a trademark of Google Inc.
- MPEG Layer-3 audio coding technology and patents licensed from Fraunhofer IIS and Thomson.
- Windows Media is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.
- This product is protected by certain intellectual property rights of Microsoft Corporation. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft or an authorized Microsoft subsidiary.
- All other trademarks and registered trademarks are of their respective holders. In this manual, ™ and ® marks are not specified.

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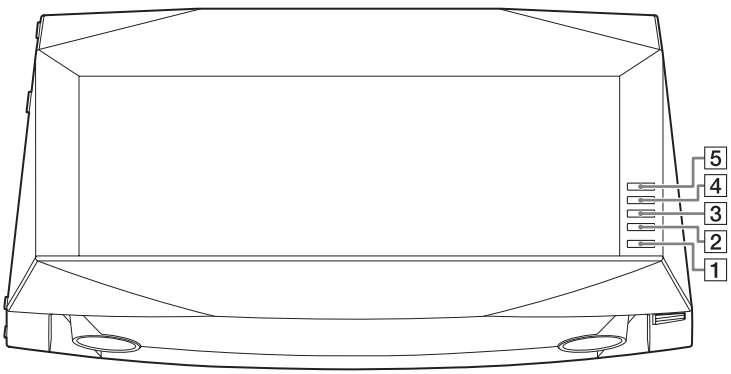
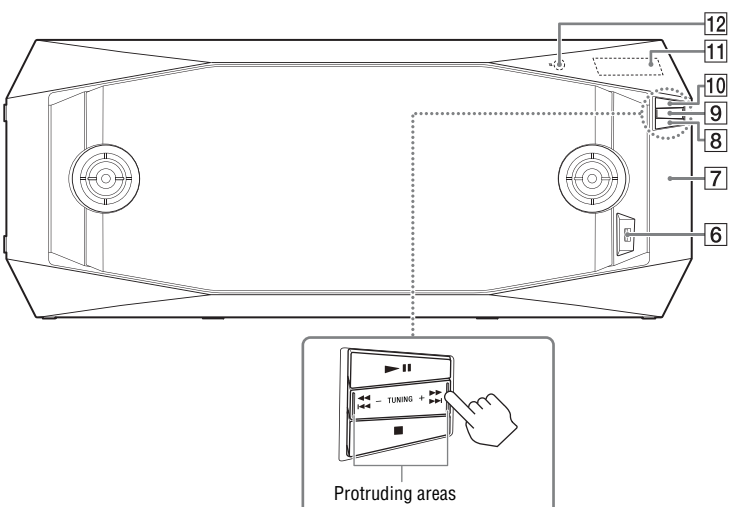
Guide to parts and controls

This manual mainly explains operations using the remote control, but the same operations can also be performed using the buttons on the unit having the same or similar names.

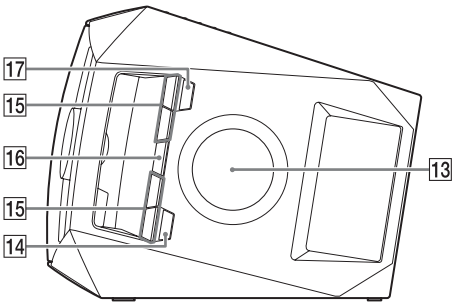
Unit
– Top view



– Front view



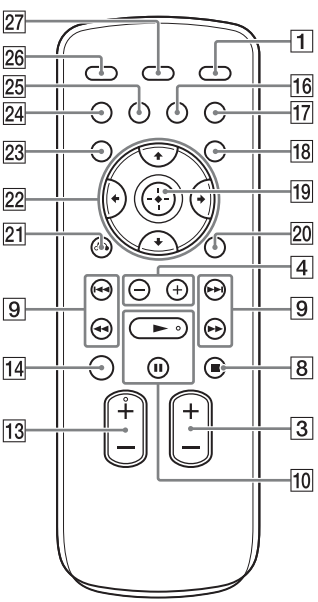
– Right view (when installed horizontally)



Note

When pressing the buttons on the unit, press on the printings of the buttons to make the selection. However, for button 9, press the protruding areas as illustrated (page 7).

Remote control RM-AMU166



1 **I/⏻ (on/standby)**

Turn on the system, or set it to standby mode.

2 **BLUETOOTH (page 14, 16, 17)**

Press to select *Bluetooth* function. Hold down to activate *Bluetooth* pairing during *Bluetooth* function.

3 **Unit: FUNCTION**
Remote control: FUNCTION +/–

Select a function.

4 **+/– (select folder)**

Select a folder on a USB device.

5 **PARTY CHAIN (page 22)**

Activate or deactivate the Party Chain function.

6 **(USB) port (page 12, 13)**

Connect a USB device.

7 **(N-Mark) (page 15)**

Near Field Communication (NFC) touchpoint indication.

8 **■ (stop)**

Stop playback.
Press twice to cancel resume playback of the USB device.

9 **◄◄/►► (rewind/fast forward)**

Hold down to find a point in a track or file during playback.

I◄◄ /►►I (go back/go forward)

Select a track or file.

Unit: TUNING +/–
Remote control: +/– (tuning)

Tune to the station you want during TUNER function.

10 **Unit: ►II (play/pause)**
Remote control: ►* (play), II (pause)

Start or pause playback.
To resume playback of the USB device, press ►II or ►.

11 **Display panel**

12 **Remote control sensor**

13 **Unit: VOLUME/ DJ CONTROL +/–**

Adjust the volume.
Adjust the DJ EFFECT level (page 20).
You cannot use this knob to adjust the volume when the DJ EFFECT is activated.

Remote control: VOLUME +*/–

Adjust the volume.

14 **LED SPEAKER (page 23)**

Change the light illumination.

15 **FLANGER, ISOLATOR, PHASER, PAN (page 20)**

Select the DJ EFFECT type.

16 **BASS BAZUCA (page 20)**

Select the BASS BAZUCA effect.

17 **EQ (page 20)**

Select the preset sound effect.

18 **TIMER MENU (page 11, 23)**

Set the clock and the timers.

19 ⊕

Enter the settings.

20 **OPTIONS**

Enter or exit options menu.

21 **RETURN ↩**

Return to previous selection.

22 **↑/↓/←/→**

Select the options menu or timer menu items.

23 **TUNER MEMORY (page 19)**

Preset the radio station.

24 **PLAY MODE/TUNING MODE**

Select the play mode of a USB device (page 12).
Select the tuning mode (page 19).

25 **REPEAT/FM MODE**

Listen to a USB device, a single track or file repeatedly (page 13).
Select the FM reception mode (monaural or stereo) (page 19).

26 **SLEEP (page 23)**

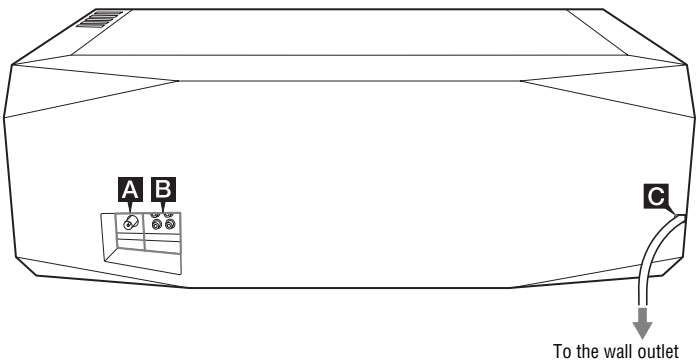
Set the Sleep Timer.

27 **DISPLAY (page 12)**

Change the information in the display panel.

* The VOLUME + and ► buttons have a tactile dot. Use the tactile dot as a reference when operating the system.

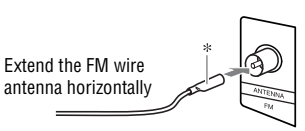
Hooking up the system securely



A FM ANTENNA jack

Find a location and an orientation that provide good reception when you set up the antenna.
Keep the antenna away from the power cord and the USB cable to avoid picking up noise.

Example:



* The shape of the connector varies depending on the country/region.

B Audio

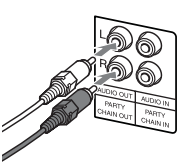
Use an audio cord (not supplied) to make either connection as follows:

– **AUDIO OUT L/R jacks**
Connect to the audio input jacks of an optional equipment.

– **AUDIO IN L/R jacks**
Connect to the audio output jacks of an optional equipment. The sound is output through this system.

– **PARTY CHAIN IN/OUT L/R jacks**
Connect to another audio system to enjoy the Party Chain function (page 21).

Example:

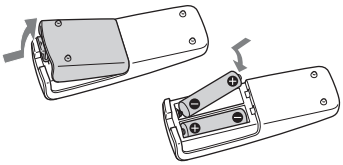


C Power

Plug the power cord into a wall socket. The demonstration appears in the display panel. Press I/⏻ to turn on the system and the demonstration automatically ends.
If the supplied adaptor on the plug does not fit your wall outlet, detach it from the plug (only for models equipped with an adaptor).

Inserting batteries

Insert the two supplied R6 (size AA) batteries, matching the polarities as shown below.



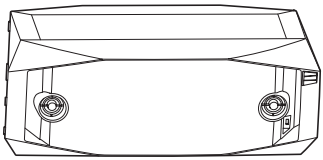
Notes

- Do not mix an old battery with a new one or mix different types of batteries.
- If you do not use the remote control for a long period of time, remove the batteries to avoid damage from battery leakage and corrosion.

Installing the system

The system can be installed either horizontally or vertically. Select the installation style based on your preferences.

– Horizontal installation



– Vertical installation

Caution

Do not sit on or push the system; otherwise, the system may toppled over and injury may result. Be sure to place the system on a flat surface and take appropriate measures, especially where children are concerned.

Setting the clock

You cannot set the clock in Power Saving Mode.

1 Press I/⏻ to turn on the system.

2 Press TIMER MENU.

If "PLAY SET" appears in the display panel, press ↑/↓ repeatedly to select "CLOCK", then press ⊕.

3 Press ↑/↓ repeatedly to set the hour, then press ⊕.

4 Press ↑/↓ repeatedly to set the minutes, then press ⊕.

Changing the display mode

The demonstration appears in the display panel once you plug the power cord into a wall socket.

Press DISPLAY repeatedly while the system is turned off.

Demonstration

The display changes and the indicator flashes even when the system is turned off.

No display (Power Saving Mode)

The display is turned off to conserve power. The timer and clock continue to work internally.

Clock

The clock display automatically turns to Power Saving Mode after a few seconds.

USB Playback

Playing a USB device

The audio formats that can be played back by this system are as follows:
– MP3: file extension ".mp3"
– WMA: file extension ".wma"
– AAC: file extension ".m4a", ".mp4" or ".3gp"
– WAV: file extension ".wav"

If the audio files have the above file extension but are not the respective formats, the system may produce noise or may malfunction.

Check the information on the website about compatible USB devices (page 25).

1 Connect a USB device to the ⇧ port.

Notes

- You can use your iPhone/iPod with this system via *Bluetooth* connection only.
- You can use a USB adaptor (not supplied) to connect the USB device to the unit if the USB device cannot be plugged into the ⇧ port.

2 Press FUNCTION +/– repeatedly to select USB function.

3 Press ► to start playback.

To change the play mode

Press PLAY MODE repeatedly.
- Normal Play (blank): play all audio files on a USB device
- Folder Play ("FLDR")[1)]: play all audio files in the specified folder on a USB device
- Shuffle Play ("SHUF")[2)3)]: shuffle all audio files on a USB device

[1)] You cannot select Folder Play and "↻1" at the same time.
[2)] You cannot select Shuffle Play and Repeat Play at the same time.
[3)] When you turn off the system, the selected Shuffle Play is cleared and the play mode returns to Normal Play.

To select Repeat Play

Press REPEAT repeatedly.

- : repeat all audio files on a USB device or in a folder
- 1: repeat an audio file

Notes on the USB device

- The playback order for the system may differ from the playback order of the connected digital music player.
- Be sure to turn off the system before removing the USB device. Removing the USB device while the system is turned on may corrupt the data on the USB device.
- Compatibility with all encoding/writing software cannot be guaranteed. If audio files on the USB device were originally encoded with incompatible software, those files may produce noise or interrupted sound, or may not be played back at all.
- This system can recognize up to
  – 256 folders in a USB device.
  – 65,536 audio files in a USB device.
  – 256 audio files in a folder.

To use the system as a battery charger

You can use the system as a battery charger for USB devices that have a rechargeable function when the system is on.

Press FUNCTION +/– repeatedly to select the USB function.

The charging begins when the USB device is connected to the port. The charge status appears in the display panel of the USB device. For details, refer to the operating instructions of your USB device.

To view information in the display panel

Press DISPLAY repeatedly while the system is turned on.

You can view the information as follows:

- The elapsed playing time, file name and folder name.
- The title, artist and album information.

Notes

- Total playing time for a USB device is not displayed.
- The following are not displayed correctly:
  – elapsed playing time of an MP3 file encoded using VBR (variable bit rate).
  – folder and file names that do not follow either the ISO9660 Level 1, Level 2 or Joliet in the expansion format.
- ID3 tag information for MP3 files is displayed when ID3 version 1 and version 2 tags are used (ID3 version 2 tag information display has priority when both ID3 version 1 and version 2 tags are used for a single MP3 file).

About the *Bluetooth* wireless technology

Bluetooth wireless technology is a short-range wireless technology that enables wireless data communication between digital devices. *Bluetooth* wireless technology operates within a range of about 10 meters (33 feet).

Supported *Bluetooth* version, profiles and codecs

Supported *Bluetooth* version:
- *Bluetooth* Standard version 3.0

Supported *Bluetooth* profiles:
- A2DP (Advanced Audio Distribution Profile)
- AVRCP 1.3 (Audio Video Remote Control Profile)

Supported *Bluetooth* codecs:
- SBC (Sub Band Codec)
- AAC (Advanced Audio Coding)
- aptX (aptX Codec)

About the BLUETOOTH indicator

The BLUETOOTH indicator lights up or flashes in blue to show the *Bluetooth* status.

System status	Indicator status
Bluetooth standby	Flashes slowly
Bluetooth pairing	Flashes quickly
Bluetooth connection is established	Lights up

Setting the *Bluetooth* audio codecs

You can receive data in AAC or aptX codec format from a *Bluetooth* device.

1 Press BLUETOOTH on the unit to select *Bluetooth* function.

"BT AUDIO" appears in the display panel.

2 Press OPTIONS.

3 Press ↑/↓ repeatedly to select "BT AAC" or "BT APTX", then press ⊕.

4 Press ↑/↓ repeatedly to select "ON" or "OFF", then press ⊕.
- ON: Enable reception in AAC or aptX codec format if "BT AAC" or "BT APTX" is selected in step 3 respectively.
- OFF: Receive in SBC codec format.

To exit the options menu, press OPTIONS.

Notes
- You can enjoy high quality sound if the AAC or aptX is selected. If you cannot listen to AAC or aptX sound from your device, select "OFF".
- If you change this setting while the system is connected to a *Bluetooth* device, the *Bluetooth* device will be disconnected. To connect to the *Bluetooth* device, perform the *Bluetooth* connection again.
- If the sound is interrupted in AAC codec format, select "OFF" to cancel the setting. In this case, the system receives SBC codec.

Connecting a smartphone with one touch (NFC)

What is “NFC”?

NFC (Near Field Communication) is a technology enabling short-range wireless communication between various devices, such as mobile phones and IC tags. Thanks to the NFC function, data communication can be achieved easily just by touching the designated touchpoint on the NFC-compatible devices.

When you touch the system with an NFC-compatible smartphone, the system automatically:
– turns on in *Bluetooth* function.
– completes pairing.
– completes the *Bluetooth* connection.

1 Download and install the “NFC Easy Connect” app.

Download the free Android app from Google Play by searching for “NFC Easy Connect” or access it by using the two-dimensional code below. Data communication fees may be charged.

Two-dimensional code* for direct access

* Use a two-dimensional code reader app.

Notes

- The app may not be available in some countries/regions.
- Depending on your smartphone, you can use the NFC function without installing the app. In this case, the operations and specifications may differ. For details, refer to the operating instructions of your smartphone.

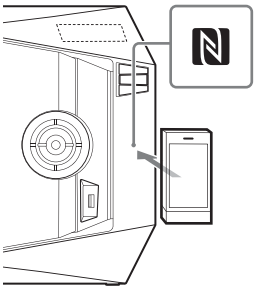
Compatible smartphones

Smartphones with a built-in NFC function (OS: Android 2.3.3 or later, excluding Android 3.x)

2 Start the “NFC Easy Connect” app on the smartphone.

Make sure that the app screen is displayed.

3 Touch the smartphone to the N-Mark on the system until the smartphone vibrates.



Complete the connection by following the instructions displayed on the smartphone.
When the *Bluetooth* connection is established, the BLUETOOTH indicator stops flashing and remains light up. *Bluetooth* device name appears in the display panel.
You can switch the sound source from the smartphone to another NFC-compatible *Bluetooth* device.
For details, refer to the operating instructions of your *Bluetooth* device.

Tip

If pairing and the *Bluetooth* connection fail, do the following.
– Relaunch "NFC Easy Connect" and move the smartphone slowly over the N-Mark.
– Remove the case from the smartphone if using a commercially available smartphone case.

To play music from the smartphone

Start playing an audio source on the smartphone. For details on playback, refer to the operating instructions of your smartphone.

To disconnect the smartphone

Touch the smartphone to the N-Mark on the system again.

Listening to music wirelessly on a *Bluetooth* device

You can listen to music from your *Bluetooth* device over a wireless connection.

Check the information on the website about compatible *Bluetooth* devices (page 25).

Pairing this system with a *Bluetooth* device

Pairing is an operation where *Bluetooth* devices register with each other beforehand. Once a pairing operation is performed, it does not need to be performed again. If your device is an NFC-compatible smartphone, the manual pairing procedure is not necessary.

1 Place the *Bluetooth* device within 1 meter (3 feet) from the system.

2 Press BLUETOOTH on the unit to select *Bluetooth* function.

"BT AUDIO" appears in the display panel.

Note

If the system is connected to a *Bluetooth* device, press BLUETOOTH to disconnect the *Bluetooth* device.

3 Hold down BLUETOOTH on the unit for 2 seconds or more.

"PAIRING" flashes in the display panel.

4 Perform the pairing procedure on the *Bluetooth* device.

For details, refer to the operating instructions of your *Bluetooth* device.

5 Select "SONY:GTK-X1BT" in the display of the *Bluetooth* device.

If passkey is required on the *Bluetooth* device, enter "0000".

6 Perform the *Bluetooth* connection on the *Bluetooth* device.

When pairing is completed and the *Bluetooth* connection is established, *Bluetooth* device name appears in the display panel.
Depending on the *Bluetooth* device, connection may start automatically after pairing is completed.
You can check the *Bluetooth* device address by pressing DISPLAY repeatedly.

Notes

- You can pair up to 9 *Bluetooth* devices. If the 10th *Bluetooth* device is paired, the oldest paired device will be deleted.
- "Passkey" may be called "Passcode", "PIN code", "PIN number" or "Password", etc., depending on the device.
- The pairing standby status of the system is canceled after about 5 minutes. If pairing is not successful, repeat from step 1.

• If you want to pair with another *Bluetooth* device, repeat steps 1 to 6.

To cancel the pairing operation

Hold down BLUETOOTH on the unit for 2 seconds or more until "BT AUDIO" appears in the display panel.

Playing music from a *Bluetooth* device

You can operate a *Bluetooth* device by connecting the system and a *Bluetooth* device using AVRCP.
Check the following before playing music:
– The *Bluetooth* function of the *Bluetooth* device is turned on.
– Pairing has been completed.

1 Press BLUETOOTH on the unit to select *Bluetooth* function.

"BT AUDIO" appears in the display panel.

2 Establish connection with the *Bluetooth* device.

The last connected *Bluetooth* device will be connected automatically. Perform the *Bluetooth* connection from the *Bluetooth* device if the device is not connected.
Once the connection is established, the *Bluetooth* device name appears in the display panel.

3 Press ► to start playback.

Depending on the *Bluetooth* device,
– you may need to press ► twice.
– you may need to start playing an audio source on the *Bluetooth* device.

Notes

• When the system is not connected to any *Bluetooth* device, the system will connect to the last connected *Bluetooth* device automatically when you press ►.
• If you try to connect another *Bluetooth* device to the system, the current connected *Bluetooth* device will be disconnected.

To disconnect the *Bluetooth* device

Press BLUETOOTH on the unit.
"BT AUDIO" appears in the display panel.
Depending on the *Bluetooth* device, the *Bluetooth* connection may be canceled automatically when you stop playback.

Erasing all the pairing registration information

Use the buttons on the unit to perform this operation.

1 Press BLUETOOTH to select *Bluetooth* function.

"BT AUDIO" appears in the display panel.
If the system is connected to a *Bluetooth* device, the *Bluetooth* device name appears in the display panel. Press BLUETOOTH to disconnect the *Bluetooth* device.

2 While holding down ■, press LED SPEAKER for about 3 seconds.

"BT HIST" and "CLEAR" appear in the display panel and all the pairing information is erased.

Setting the *Bluetooth* standby mode

The *Bluetooth* standby mode enables the system to turn on automatically when you establish the *Bluetooth* connection from a *Bluetooth* device.

1 Press OPTIONS.

2 Press ↑/↓ repeatedly to select "BT STBY", then press ⊕.

3 Press ↑/↓ repeatedly to select "ON" or "OFF".

4 Press I/⏻ to turn off the system.

When the *Bluetooth* standby mode is set to on, the system waits for a *Bluetooth* connection even when the system has been turned off. When a *Bluetooth* connection is established, the system turns on automatically.

Note

The system cannot enter the *Bluetooth* standby mode if the pairing registration information has been erased.

Setting the *Bluetooth* signal

You can connect to the system from a paired *Bluetooth* device in all functions when *Bluetooth* signal is set to on. The *Bluetooth* signal is turned on by default. Use the buttons on the unit to perform this operation.

While holding down ■, press BLUETOOTH for about 3 seconds.

"BT ON" or "BT OFF" appears in the display panel.

Notes

- You cannot perform the following operations when *Bluetooth* signal is set to off:
  - Pairing with *Bluetooth* device
  - Erasing the pairing information
  - Using "SongPal" via *Bluetooth*
- When the *Bluetooth* signal is set to off, this system cannot be detected and connection cannot be established from *Bluetooth* device.
- If you touch the system with an NFC-compatible smartphone or set the *Bluetooth* standby mode to on, the *Bluetooth* signals will set to on automatically.

Using "SongPal" via *Bluetooth*

About App

A dedicated app for this model is available on both Google Play and App Store. Search for "SongPal" and download the free app to find out more about the convenient features.

Bluetooth technology works with iPhone 5s, iPhone 5c, iPhone 5, iPhone 4s, iPhone 4, iPhone 3GS, iPod touch (5th generation), iPod touch (4th generation).

Listening to the radio

1 Press FUNCTION +/– repeatedly to select FM band.

2 For automatic scanning:

Press TUNING MODE repeatedly until “AUTO” lights up in the display panel. Then, press +/–.
Scanning stops automatically when a station is tuned in. “TUNED” and “ST” (for FM stereo programs only) light up in the display panel.
If “TUNED” does not light up and scanning does not stop, press ■ to stop scanning. Then, perform manual tuning (below).

For manual tuning:

Press TUNING MODE repeatedly until “AUTO” and “PRESET” disappear from the display panel. Then, press +/– repeatedly to tune to the station you want.

Note

When you tune to an FM station that provides RDS services, information such as the service name or station name is provided by broadcasts. You can check the RDS information by pressing DISPLAY repeatedly.

Tip

To reduce static noise on a weak FM stereo station, press FM MODE repeatedly until “MONO” lights up in the display panel.

Presetting radio stations

You can store up to 20 FM stations as your favorite stations.

1 Tune to the station you want.

2 Press TUNER MEMORY.

3 Press +/– repeatedly to select the preset number you want, then press ⊕.

“COMPLETE” appears in the display panel. The station is stored.

To tune to a preset station

Press TUNING MODE repeatedly until “PRESET” lights up in the display panel. Then, press +/– repeatedly to select the preset number you want.

Adjusting the sound

To	Do this
Reinforce the bass and create a more powerful sound	Press BASS BAZUCA.
Select a preset sound effect	Press EQ repeatedly. To cancel preset sound effect, press EQ repeatedly to select "FLAT".

Creating a party atmosphere

(DJ EFFECT)

Use the buttons on the unit to perform this operation.

1 Press FLANGER, ISOLATOR, PHASER or PAN.

The selected button lights up and the effect is activated.

- FLANGER: Create a deep flanging effect that is similar to the roar of a jet plane.
- ISOLATOR: Isolate a specific frequency band by adjusting the other frequency bands. For example, when you want to focus on vocals.
- PHASER: Create a series of peaks and troughs in the frequency spectrum, like a sweeping effect.
- PAN: Create a feeling that the sound is moving around the speakers between left and right channels.

2 Turn DJ CONTROL +/– to adjust the effect level.

To turn off the effect

Press the selected effect button again.

Notes

- The DJ EFFECT is automatically turned off when you turn off the system or change the function or tuner band.
- You cannot use VOLUME/DJ CONTROL +/– to adjust the volume when the DJ EFFECT is activated. Press VOLUME +/– on the remote control to adjust the volume.

Setting the vertical sound effect

You can set the sound effect to automatically change according to the installation style of the system.
When installed horizontally, the system output stereo sound effect.
When installed vertically, the top speaker enhances the mid range frequency while the bottom speaker enhances the low range frequency.

1 Press OPTIONS.

2 Press ↑/↓ repeatedly to select "VERTICAL SOUND", then press ⊕.

3 Press ↑/↓ repeatedly to select "AUTO" or "OFF", then press ⊕.

To exit the options menu, press OPTIONS.

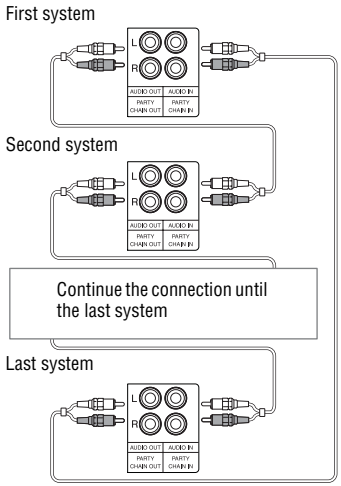
Using the Party Chain function

You can connect multiple audio systems in a chain to create a more interesting party environment and to produce higher sound output.
Activate a system in the chain to be the "Party Host" and share the music. Other systems will become "Party Guest" and play the same music as the "Party Host".

Setting up the Party Chain

You can set up a Party Chain by connecting all the systems using audio cords (not supplied).
Before connecting cords, be sure to disconnect the power cord.

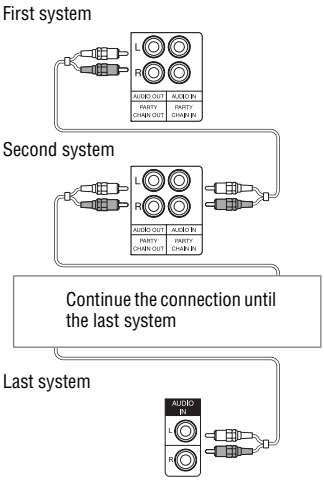
A If all the systems are equipped with Party Chain function



When you make connection A

- Any system can become a Party Host in this connection.
- You can select a new Party Host when Party Chain function is activated. For details, see "To select a new Party Host" (page 22).
- In this connection, the last system must be connected to the first system.

B If one of the system is not equipped with Party Chain function



When you make connection B

- You can connect the system which is not equipped with Party Chain function at the last system. Be sure to select the function which corresponds to the "AUDIO IN" jacks on the last system.
- You must select the first system as Party Host so that all systems are playing the same music when Party Chain function is activated.
- In this connection, the last system is not connected to the first system.

Enjoying the Party Chain

Perform the following procedure to activate the Party Chain function.

1 Plug in the power cord and turn on all the systems.

2 Adjust the volume on each system.

3 Activate the Party Chain function on the system which you want it to be the Party Host.

Press FUNCTION +/– repeatedly to select the function (except AUDIO IN) you want, then start playback.
Press PARTY CHAIN on the unit.
"PARTY" and "CHAIN" appear in the display panel twice. All systems play the same music as the Party Host.

Notes

- Depending on the total unit of systems you have connected, Party Guest may take some time to start playing the music.
- Changing the volume level and sound effect on the Party Host will not affect the output on the Party Guest.
- The Party Guest continues playing the music source as Party Host even when you change the function on Party Guest. However, you can adjust the volume and change the sound effect on Party Guest.
- The system which is not equipped with Party Chain function cannot become a Party Host.
- For details on the operations of other system, refer to the operating instructions of the system.

To select a new Party Host

When you make connection **A**, you can select another system as new Party Host. Repeat step 3 of "Enjoying the Party Chain" on the system which you want it to be a new Party Host.
The current Party Host will become Party Guest automatically. All systems play the same music as the new Party Host.

Notes

- You can only select another system as the new Party Host after all the systems have completed the Party Chain function.
- Repeat the step above if the selected system does not change as a new Party Host after a few seconds.

To deactivate the Party Chain

Press PARTY CHAIN on the unit of the Party Host.

Note

Repeat the step above if the system does not deactivate the Party Chain after a few seconds.

Setting the Party Chain sound mode

You can set the sound mode when Party Chain function is activated.
For optimum sound effect in a party environment, set the systems on the left side of the room to output only sound of the left channel, and systems on the right output only sound of the right channel.

1 Press OPTIONS.

2 Press ↑/↓ repeatedly to select "P.CHAIN MODE", then press ⊕.

3 Press ↑/↓ repeatedly to select "STEREO", "RIGHT CH" or "LEFT CH", then press ⊕.

- STEREO: Output the stereo sound.
- RIGHT CH: Output monaural sound of the right channel.
- LEFT CH: Output monaural sound of the left channel.

To exit the options menu, press OPTIONS.

Setting the light illumination

You can set a light illumination from a variety of illumination patterns. The light illumination will create lighting effects based on the music source.

Press LED SPEAKER repeatedly.

Each time you press the button, the pattern changes.

To turn off the light illumination

Press LED SPEAKER repeatedly to select "LED OFF".

Note

If the light illumination brightness is glaring, switch on the room lights or turn off the light illumination.

Using the timers

The system offers 2 timer functions. If you use both timers, the Sleep Timer has priority.

Sleep Timer

You can fall asleep while listening to music. The system turns off after the preset time.

Press SLEEP repeatedly.

To cancel Sleep Timer, press SLEEP repeatedly to select "OFF".

Tip

To check the remaining time before the system turns off, press SLEEP.

Play Timer

You can wake up to tuner or USB device at a preset time.
Make sure you have set the clock.

1 Prepare the sound source, then press VOLUME +/– to adjust the volume.

2 Press TIMER MENU.

3 Press ↑/↓ repeatedly to select "PLAY SET", then press ⊕.

4 Set the time to start playback.

Press ↑/↓ repeatedly to set the hour/minute, then press ⊕.

5 Use the same procedure as in step 4 to set the time to stop playback.

6 Press ↑/↓ repeatedly to select the sound source you want, then press ⊕.

7 Press I/⏻ to turn off the system.

To check the timer setting or activate the timer again

1 Press TIMER MENU.
"TIMERSEL" flashes in the display panel.

2 Press ⊕.

3 Press ↑/↓ repeatedly to select "PLAY SEL", then press ⊕.

To cancel the timer

Repeat the same procedure as above and select "OFF" in step 3, then press ⊕.

Notes

- The system turns on before the preset time. If the system is turned on at the preset time or if "STANDBY" flashes in the display panel, the Play Timer will not play.
- Do not operate the system from the time the system turns on until the playback starts.

Using optional equipment

1 Press VOLUME – repeatedly until "VOL MIN" appears in the display panel.

2 Connect an optional equipment (page 10).

3 Press FUNCTION +/– repeatedly to select the AUDIO IN function.

4 Start playing the connected equipment.

5 Press VOLUME + repeatedly to adjust the volume.

Note

The system may enter standby mode automatically if the volume level of the connected equipment is too low. Adjust the volume level of the equipment. To turn off automatic standby function, see "Setting the automatic standby function" (page 24).

Deactivating the buttons on the unit

(Child Lock)

You can deactivate the buttons on the unit (except I/⏻) to prevent misoperation, such as child mischief.

Hold down ■ on the unit for more than 5 seconds.

"CHILD" and "LOCK ON" appear in the display panel.
You can only operate the system using the buttons on the remote control.
To cancel, hold down ■ on the unit for more than 5 seconds until "CHILD" and "LOCK OFF" appear in the display panel.

Note

Child Lock function will be canceled when you disconnect the power cord.

Setting the automatic standby function

This system is equipped with an automatic standby function. With this function, the system enters standby mode automatically in about 15 minutes when there is no operation or audio signal output.
By default, the automatic standby function is turned on.

1 Press OPTIONS.

2 Press ↑/↓ repeatedly to select "AutoSTBY", then press ⊕.

3 Press ↑/↓ repeatedly to select "ON" or "OFF".

To exit the options menu, press OPTIONS.

Notes

- The message "AutoSTBY" flashes in the display about 2 minutes before entering standby mode.
- The automatic standby function does not work during tuner function.
- The system may not enter standby mode automatically in the following cases:
  – when an audio signal is detected.
  – during playback of audio files.
  – while the preset Play Timer or Sleep Timer is in process.

Websites for compatible devices

Check the websites below for the latest information about compatible USB devices and *Bluetooth* devices.

For customers in Latin America:
<http://esupport.sony.com/LA>
For customers in the United States:
<http://esupport.sony.com/>
For customers in Europe and Russia:
<http://support.sony-europe.com/>
For customers in other countries/regions:
<http://www.sony-asia.com/support>

Troubleshooting

Should you encounter a problem with your system, find your problem in the troubleshooting checklist below and take the corrective action.
If the problem persists, consult your nearest Sony dealer.

Note that if the service personnel changes some parts during repair, these parts may be retained.

If "PROTECT" and "EXX" (X is a number) appear in the display panel

Immediately unplug the power cord.
- Check if anything is blocking the ventilation holes of the unit.
- Remove the connected USB device. Make sure there is no problem with the USB device.

After checking the above items and fixing any problems, plug in the power cord again and turn on the system. If the issue persists, consult your nearest Sony dealer.

General

The system has entered standby mode.
- This is not a malfunction. The system enters standby mode automatically in about 15 minutes when there is no operation or audio signal output (page 24).

The clock or timer setting is canceled.
- The power cord is disconnected or a power failure occurred. Set the clock (page 11) and timer (page 23) again.

There is no sound.
- Adjust the volume.
- Check the connection of the optional equipment, if any (page 10).
- Turn on the connected equipment.

There is severe hum or noise.
- Move the system away from sources of noise.
- Connect the system to a different wall outlet.
- Install a noise filter (commercially available) to the power cord.
- Turn off surrounding electrical equipment.

The timer does not function.
- Check the timer setting and set the correct time (page 23).
- Cancel the Sleep Timer function (page 23).

The remote control does not function.
- Remove the obstacles between the remote control and the unit.
- Move the remote control closer to the unit.
- Point the remote control at the unit's sensor.
- Replace the batteries (R6/size AA).
- Move the unit away from the fluorescent light.

"CHILD" and "LOCK" appear when you press any button on the unit.

- Set the Child Lock function to off (page 24).

USB device

There is no sound.

- The USB device is not connected correctly. Turn off the system and reconnect the USB device, then turn on the system.

There is noise, skipping, or distorted sound.

- You are using an unsupported USB device. Check the information on the website about compatible USB devices (page 25).
- Turn off the system and reconnect the USB device, then turn on the system.
- The music data itself contains noise, or the sound is distorted. Noise may have been entered when creating music data due to the conditions of the computer. Create the music data again.
- The bit rate used when encoding audio files was low. Send audio files with higher bit rate to the USB device.

"READING" is displayed for an extended time, or it takes a long time before playback starts.

- The reading process can take a long time in the following cases.
  - There are many folders or files on the USB device.
  - The file structure is extremely complex.
  - The memory capacity is excessive.
  - The internal memory is fragmented.

"OVER CURRENT" appears.

- A problem has been detected with the level of electrical current from the ⇐ port. Turn off the system and remove the USB device from the port. Make sure there is no problem with the USB device. If this display pattern persists, contact your nearest Sony dealer.

Erroneous display.

- The data stored in the USB device may have been corrupted, send the music data to the USB device again.
- The character codes that can be displayed by this system are numbers and alphabets only. Other characters that cannot be displayed appear as "_".

The USB device is not recognized.

- Turn off the system and reconnect the USB device, then turn on the system.
- Check the information on the website about compatible USB devices (page 25).
- The USB device does not work properly. Refer to the operating instructions of your USB device on how to deal with this problem.

Playback does not start.

- Turn off the system and reconnect the USB device, then turn on the system.
- Check the information on the website about compatible USB devices (page 25).

Playback does not start from the first file.

- Set the play mode to Normal Play (page 12).

Audio file cannot be played back.

- MP3 files in MP3 PRO format cannot be played back.
- Some AAC files may not be played back correctly.
- An AAC file which has video stream cannot be played back.
- WMA files in Windows Media Audio Lossless and Professional format cannot be played back.
- USB devices formatted with file systems other than FAT16 or FAT32 are unsupported.*
- If you use a partitioned USB device, only files on the first partition can be played.
- The system can play back to a depth of 8 folders only.
- Files that are encrypted or protected by passwords cannot be played back.

- Files with DRM (Digital Rights Management) copyright protection cannot be played back by this system.

* This system supports FAT16 and FAT32, but some USB devices may not support all of these FAT. For details, refer to the operating instructions of each USB device or contact the manufacturer.

Bluetooth device

Pairing cannot be performed.

- Move the *Bluetooth* device closer to the system.
- Pairing may not be possible if other *Bluetooth* devices are present around the system. In this case, turn off the other *Bluetooth* devices.
- Make sure the correct passkey was entered at the *Bluetooth* device.

The *Bluetooth* device cannot detect this unit, or "BT OFF" appears in the display panel.

- Set the *Bluetooth* signal to "BT ON" (page 18).

Connection is not possible.

- The *Bluetooth* device you attempted to connect does not support the A2DP profile, and cannot be connected with the system.
- Enable the *Bluetooth* function of the *Bluetooth* device.
- Establish a connection from the *Bluetooth* device.
- The pairing registration information has been erased. Perform the pairing operation again.
- Erase the pairing registration information of a *Bluetooth* device and perform the pairing operation again.

The sound skips or fluctuates, or the connection is lost.

- The system and the *Bluetooth* device are too far apart.
- If there are obstacles between the system and your *Bluetooth* device, remove or avoid the obstacles.
- If there is equipment that generates electromagnetic radiation, such as a wireless LAN, other *Bluetooth* device, or a microwave oven nearby, move them away.

The sound of your *Bluetooth* device cannot be heard on this system.

- Increase the volume on your *Bluetooth* device first, then adjust the volume using VOLUME +/–.

There is severe hum, noise or distorted sound.

- If there are obstacles between the system and your *Bluetooth* device, remove or avoid the obstacles.
- If there is equipment that generates electromagnetic radiation, such as a wireless LAN, other *Bluetooth* device, or a microwave oven nearby, move them away.
- Turn down the volume of the connected *Bluetooth* device.

Tuner

There is severe hum or noise, or stations cannot be received. ("TUNED" or "ST" flashes in the display panel.)

- Connect the antenna properly.
- Change the antenna location and its orientation to obtain good reception.
- Connect a commercially available external antenna.
- Turn off surrounding electrical equipment.

Party Chain

Party Chain function cannot be activated.

- Check the connection (page 21).
- Make sure the audio cords are connected correctly.

"PARTY" and "CHAIN" are flashing in the display panel.

- AUDIO IN function is selected during Party Chain function. Press FUNCTION +/– repeatedly to select other function.
- Restart the system.

Party Chain function does not operate properly.

- Turn off the system. Then, turn on the system and activate the Party Chain function.

To reset the system

If the system still does not operate properly, reset the system to factory default settings.
Use the buttons on the unit to perform this operation.

1 Unplug and plug the power cord back in.

2 Press I/⏻ to turn on the system.

3 While holding down ■, press FUNCTION for about 3 seconds.
"RESET" appears in the display panel. All user-configured settings, such as preset radio stations, timers, and the clock are reset to factory default setting.

Messages

One of the following messages may appear or flash in the display panel during operation.

CHILD LOCK
The child lock function has been enabled.

CONNECT
The system is connecting to the last connected device during *Bluetooth* function.

ERROR
The USB device could not be recognized or an unknown device is connected.

GUEST
The system becomes a Party Guest when Party Chain function is activated.

HOST
The system becomes a Party Host when Party Chain function is activated.

NoDEVICE
No USB device is connected.

NO TRACK
No playable file is loaded in the system.

NOT SUPPORT
An unsupported USB device is connected, or the USB device is connected through a USB hub.

PAIRING
The system is in pairing mode.

READING
The system is reading information of the USB device. Some operations are not available.

TIME NG
The on time and off time of Play Timer are the same.

Precautions

On safety

- Completely disconnect the power cord (mains lead) from the wall outlet (mains) if it is not going to be used for an extended period of time. When unplugging the unit, always grip the plug. Never pull the cord itself.
- Should any solid object or liquid get into the system, unplug the system, and have it checked by qualified personnel before operating it again.
- (For the customers in the USA)
  One blade of the plug is wider than other for the purpose of safety and will fit to the wall outlet only one way. If you are unable to insert the plug fully into the outlet, contact your dealer.
- AC power cord must be changed only at the qualified service shop.

On placement

- Do not place the system in an inclined position or in locations that are extremely hot, cold, dusty, dirty, or humid or lacking adequate ventilation, or subject to vibration, direct sunlight or a bright light.
- Be careful when placing the system on surfaces that have been specially treated (for example, wax, oil, polish) as staining or discoloration of the surface may result.
- If the system is brought directly from a cold to a warm location or is placed in a very damp room, moisture may condense on the lens inside the unit, and cause the system to malfunction. In this situation, leave the system turned off until the moisture evaporates.

On heat buildup

- Heat buildup on the unit during operation is normal and is not a cause for alarm.
- Do not touch the cabinet if it has been used continuously at a high volume because the cabinet may have become hot.
- Do not obstruct the ventilation holes.

On the speaker system

The built-in speaker system is not magnetically shielded, and the picture on nearby TV sets may become magnetically distorted. In this situation, turn off the TV, wait 15 to 30 minutes, and turn it back on. If there is no improvement, move the system far away from the TV.

Cleaning the cabinet

Clean this system with a soft cloth slightly moistened with a mild detergent solution.
Do not use any type of abrasive pad, scouring powder, or solvent, such as thinner, benzine, or alcohol.

On *Bluetooth* communication

- *Bluetooth* devices should be used within approximately 10 meters (33 feet) (unobstructed distance) of each other. The effective communication range may become shorter under the following conditions.
  – When a person, metal object, wall or other obstruction is between the devices with a *Bluetooth* connection
  – Locations where a wireless LAN is installed
  – Around microwave ovens that are in use
  – Locations where other electromagnetic waves occur
- *Bluetooth* devices and wireless LAN (IEEE 802.11b/g) use the same frequency band (2.4 GHz). When using your *Bluetooth* device near a device with wireless LAN capability, electromagnetic interference may occur. This could result in lower data transfer rates, noise, or inability to connect. If this happens, try the following remedies:
  – Try connecting this system and *Bluetooth* device when you are at least 10 meters (33 feet) away from the wireless LAN equipment.
  – Turn off the power to the wireless LAN equipment when using your *Bluetooth* device within 10 meters (33 feet).
- The radio waves broadcast by this system may interfere with the operation of some medical devices. Since this interference may result in malfunction, always turn off the power on this system and *Bluetooth* device in the following locations:
  – In hospitals, on trains, in airplanes, at gas stations, and any place where flammable gasses may be present
  – Near automatic doors or fire alarms
- This system supports security functions that comply with the *Bluetooth* specification as a means of ensuring security during communication using *Bluetooth* technology. However, this security may be insufficient depending on the setting contents and other factors, so always be careful when performing communication using *Bluetooth* technology.
- Sony cannot be held liable in any way for damages or other loss resulting from information leaks during communication using *Bluetooth* technology.
- *Bluetooth* communication is not necessarily guaranteed with all *Bluetooth* devices that have the same profile as this system.
- *Bluetooth* devices connected with this system must comply with the *Bluetooth* specification prescribed by the Bluetooth SIG, Inc., and must be certified to comply. However, even when a device complies with the *Bluetooth* specification, there may be cases where the characteristics or specifications of the *Bluetooth* device make it impossible to connect, or may result in different control methods, display or operation.
- Noise may occur or the audio may cut off depending on the *Bluetooth* device connected with this system, the communications environment, or surrounding conditions.

Specifications

AUDIO POWER SPECIFICATIONS

POWER OUTPUT AND TOTAL HARMONIC DISTORTION: (USA model only)

With 6 ohm loads, both channels driven, from 120 – 10,000 Hz; rated 75 watts per channel minimum RMS power, with no more than 0.7% total harmonic distortion from 250 milliwatts to rated output.

Amplifier section

The following are measured at
USA model:
AC 120 V, 60 Hz
Mexican model:
AC 127 V, 60 Hz
European and Russian models:
AC 220 V – 240 V, 50/60 Hz
Chilean and Bolivian models:
AC 220 V – 240 V, 50 Hz
Other models:
AC 120 V – 240 V, 50/60 Hz

Power output (rated)
150 W + 150 W (at 6 ohms, 1 kHz, 1% THD)
RMS output power (reference)
250 W + 250 W (per channel at 6 ohms, 1 kHz)

Inputs

AUDIO IN/PARTY CHAIN IN L/R
Voltage 2 V, impedance 47 kilohms

Outputs

AUDIO OUT/PARTY CHAIN OUT L/R
Voltage 2 V, impedance 1 kilohm

USB section

Supported format
MP3 (MPEG 1 Audio Layer-3):
32 kbps – 320 kbps, VBR
WMA: 48 kbps – 192 kbps
AAC: 48 kbps – 320 kbps
WAV: 16 bit PCM
Sampling frequencies
MP3 (MPEG 1 Audio Layer-3):
32 kHz/44.1 kHz/48 kHz
WMA: 32 kHz/44.1 kHz/48 kHz
AAC: 32 kHz/44.1 kHz/48 kHz
WAV: 8 kHz – 48 kHz
Supported USB device
Mass Storage Class
Maximum current
1 A
(USB) port
Type A

Bluetooth section

Communication system
Bluetooth Standard version 3.0
Output
Bluetooth Standard Power Class 2
Maximum communication range
Line of sight approx. 10 m[1)]
Frequency band
2.4 GHz band (2.4000 GHz – 2.4835 GHz)
Modulation method
FHSS (Freq Hopping Spread Spectrum)
Compatible *Bluetooth* profiles[2)]
A2DP (Advanced Audio Distribution Profile)
AVRCP 1.3 (Audio Video Remote Control Profile)
Supported codecs
SBC (Sub Band Codec)
AAC (Advanced Audio Coding)
aptX (aptX Codec)

[1] The actual range will vary depending on factors such as obstacles between devices, magnetic fields around a microwave oven, static electricity, reception sensitivity, antenna's performance, operating system, software application, etc.

[2] *Bluetooth* standard profiles indicate the purpose of *Bluetooth* communication between devices.

FM tuner section

FM stereo, FM superheterodyne tuner

Antenna

FM wire antenna

Tuning range

USA model:
87.5 MHz – 108.0 MHz (100 kHz step)

Other models:
87.5 MHz – 108.0 MHz (50 kHz step)

Speaker section

Speaker system

2-way, Bass reflex

Speaker unit

Woofer: 200 mm (7 7/8 in), cone type

Tweeter: 66 mm (2 5/8 in), cone type

Rated impedance

6 ohms

General

Power requirements

USA model:
AC 120 V, 60 Hz

Mexican model:
AC 127 V, 60 Hz

European and Russian models:
AC 220 V – 240 V, 50/60 Hz

Chilean and Bolivian models:
AC 220 V – 240 V, 50 Hz

Other models:
AC 120 V – 240 V, 50/60 Hz

Power consumption

110 W

Power consumption (at the Power Saving mode)

European and Russian models:
0.5 W (When "BT STBY" is set to "OFF")
6 W (When "BT STBY" is set to "ON")

Dimensions (w/h/d) (Approx.)

757 mm × 303 mm × 363 mm
(29 7/8 in × 12 in × 14 3/8 in)

Mass (Approx.)

13.8 kg (30 lb 7 oz)

Supplied accessories

Remote control (1)
R6 (Size AA) batteries (2)
FM wire antenna (1)

Design and specifications are subject to change without notice.

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